

ABSTRACT OF THE DISCLOSURE

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~~Disclosed are an~~ x-ray mask blank and an x-ray mask wherein,
assuming that Ra_{\max} and Ra_{\min} are defined as a maximum value of Ra
5 and a minimum value of Ra of a surface roughness (Ra : center-
line average roughness) on a plurality of points within a
predetermined area on an x-ray membrane 12, respectively, the
surface of the x-ray membrane 12 has a surface condition so
that it may satisfy an expression: $(Ra_{\max} - Ra_{\min}) / (Ra_{\max} + Ra_{\min}) \leq 0.15$.